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Application Serial Number: 09/957,458

Source: O/PK

Date Processed by STIC: 12/4/2002

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

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2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002

ОГРН

PATENT APPLICATION: US/09/957,458

DATE: 12/04/20

TIME: 16:5

Input Set : A:\UNA CHE1.APP

Output Set: N:\CRF4\12032002\I957458.raw

3 <110> APPLICANT: Chen-Bettecken, Yu-Hua Una
5 <120> TITLE OF INVENTION: Method for growing stem cells.
7 <130> FILE REFERENCE: 010755 us ME/BM
9 <140> CURRENT APPLICATION NUMBER: 09/957,458
C--> 10 <141> CURRENT FILING DATE: 2002-11-18
12 <160> NUMBER OF SEQ ID NOS: 9
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 7269
18 <212> TYPE: DNA
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24 <223> OTHER INFORMATION: any nucleotide
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38 <222> LOCATION: (657)
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58 <222> LOCATION: (764)
59 <223> OTHER INFORMATION: any nucleotide

see Gen. H. C. K. K. K. K. K.

Does Not Boot
Corrected Diskette Needed

PP. 1-2, 5-6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002
TIME: 16:54:08

Input Set : A:\UNA CHE1.APP
Output Set: N:\CRF4\12032002\I957458.raw

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78 <222> LOCATION: (863)
79 <223> OTHER INFORMATION: any nucleotide
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84 <223> OTHER INFORMATION: any nucleotide
86 <220> FEATURE:
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118 <222> LOCATION: (935)
119 <223> OTHER INFORMATION: any nucleotide
121 <220> FEATURE:

*do you mean (834)? "a" is at location 844
(see p5)*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002

TIME: 16:54:01

Input Set : A:\UNA CHE1.APP

Output Set: N:\CRF4\12032002\I957458.raw

122 <221> NAME/KEY: variation
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147 <221> NAME/KEY: variation
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157 <221> NAME/KEY: variation
158 <222> LOCATION: (1012)
159 <223> OTHER INFORMATION: any nucleotide
161 <220> FEATURE:
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163 <222> LOCATION: (1026)..(1027)
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167 <221> NAME/KEY: variation
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178 <222> LOCATION: (1047)
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002

TIME: 16:54:01

Input Set : A:\UNA CHE1.APP

Output Set: N:\CRF4\12032002\I957458.raw

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187 <221> NAME/KEY: variation
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203 <222> LOCATION: (1076)
204 <223> OTHER INFORMATION: any nucleotide
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208 <222> LOCATION: (1104)
209 <223> OTHER INFORMATION: any nucleotide
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213 <222> LOCATION: (1114)..(1115)
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216 <220> FEATURE:
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218 <222> LOCATION: (1117)
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242 <221> NAME/KEY: variation
243 <222> LOCATION: (1138)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 12/04/2002

TIME: 16:54:01

Input Set : A:\UNA CHE1.APP

Output Set : N:\CRF4\12032002\I957458.raw

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247 <221> NAME/KEY: variation
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252 <221> NAME/KEY: variation
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262 <221> NAME/KEY: variation
263 <222> LOCATION: (1664)..(1668)
264 <223> OTHER INFORMATION: any nucleotide
266 <400> SEQUENCE: 1
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W--> 268 tgtgacggtc cttacaatga aatgcantct gggtatcttc ttctgatgg caggggttac 120
269 aggtaagggg ctcccaagtc ccaaacttga ggggtccataa actctgtgac agtggcaatc 180
270 actttgcctt tctttctaca ggggtgaatt cggctttcac agagcattca ccgctgaccc 240
271 ctacccgtcg ggacctctgt agccgctcta tctggctagc aaggaagatt cgttcagacc 300
272 ttgactgctc ttacggaatc ctatgtaagt tgcctatttt gctgttatct gttttccctt 360
273 catctttttt gatccagcaa cttaccatca cgcacagct ccattaccaa ttgtgaaagc 420
274 tctaatacata tagtcattca tataggttat ttgacatggg cctttccctt gaggaaaccc 480
275 atgtgacttt attttcttcc tctgggctgt ttaggagatg aagttacttg aatgagaaaa 540
276 tatatatgga gttctagaaa ggattggttt atatgtcttg gaggtatttt caaaatttat 600
W--> 277 ttggccatat attctgaata ctacctagaa bagattagcc atgggccctn tgggtnttnc 660
W--> 278 ataagccatt gttctgaant tttttagctt tgtaaatgaa aggtttatgg gataggaaga 720
W--> 279 gtncctatgaa cgtgggagga atttgtaaat cctaccaatt tntnctatat agcattagcc 780
W--> 280 ccgacctttt antattctgc atcaaaagta agattgtgtc taaagagaaa ggttagctat 840
W--> 281 caaaaggact cctataanat tcnttggaaa ctnttggaaan tgtcaaattt ntttgagcta 900
W--> 282 attnttggag ttccaaantt tgtcttntna cagtnaaggg gganccecat tcanatttnc 960
W--> 283 cccctnnng anaatgcttg ggggaaaaaa cctnccaacc cnttgtggg angaagtttt 1020
W--> 284 tttaannttt taaggctngn ngaaacnggn ttttaatttt ttgggncnan cgcctntccc 1080
W--> 285 cggtagcagg aaaatcagga cctntttttg gggngngcn ccnacngggg ggnaaaangg 1140
W--> 286 gaaatttcnt canaaaaaat cttttccgnn nnnngtgaag catcagggcc tgaacaagaa 1200
287 catcaacctg gactctgcgg atgggatgcc agtggcaagc actgatcagt ggagtgaagt 1260
288 gaccgaggca gagcgactcc aagagaacct tcaagcttat cgtaccttcc atgttttgtt 1320
289 ggccaggctc ttagaagacc agcagggtga ttttacccca accgaagggtg acttccatca 1380
290 agctatacat acccttcttc tccaagtgcg tgcctttgca taccagatag aggagttaat 1440
291 gatactcctg gaatacaaga tccccgcaa tgaggetgat gggatgccta ttaagtgttg 1500
292 agatgggtgt cttcttgaga agaagctgtg gggcctaag gtgctgcagg agctttcaca 1560
293 gtggacagta aggtccatcc atgaccttcg tttcatttct tctcatcaga ctgggatccc 1620
W--> 294 agcacgtggg agccattata ttgctaacaa caagaaaatg tagnnnnngc ggcctgcgcc 1680
295 gtctttcccg acgttaaagg gatgaaacca caagacttac cttcgctcgg aagtaaaacg 1740
296 acaaacacac acagttttgc ccgttttcat gagaaatggg acgtctgcgc acgaaacgcg 1800
297 ccgtcgcttg aggaggactt gtacaaacac gatctatgca ggtttcccca actgacacaa 1860

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/957,458DATE: 12/04/2002
TIME: 16:54:02Input Set : A:\UNA CHE1.APP
Output Set: N:\CRF4\12032002\I957458.rawPlease Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 39,40,41,87,650,657,679,723,762,764,792,834,858,863,874,880
Seq#:1; N Pos. 891,904,918,927,929,985,944,954,979,967,968,969,972,994,1003
Seq#:1; N Pos. 1012,1026,1027,1038,1040,1041,1047,1050,1066,1068,1070,1076
Seq#:1; N Pos. 1104,1114,1115,1117,1120,1123,1126,1133,1138,1149,1153,1169
Seq#:1; N Pos. 1170,1171,1172,1173,1174,1664,1665,1666,1667,1668
Seq#:3; N Pos. 35,36,82,645,652,674,718,757,759,787,829,853,858,869,875,886
Seq#:3; N Pos. 899,913,922,924,930,939,949,954,962,963,964,967,989,998,1007
Seq#:3; N Pos. 1021,1022,1033,1035,1036,1042,1045,1061,1063,1065,1071,1099
Seq#:3; N Pos. 1109,1110,1112,1115,1118,1121,1128,1133,1144,1148,1164,1165
Seq#:3; N Pos. 1166,1167,1168,1169,1659,1660,1661,1662,1663
Seq#:6; N Pos. 466,467,468,469,470,471,472,473,474,475,476,2280,2281,2282
Seq#:6; N Pos. 2283,2284,2285,2286,2287,2288,2289,2290